

FIG. 1

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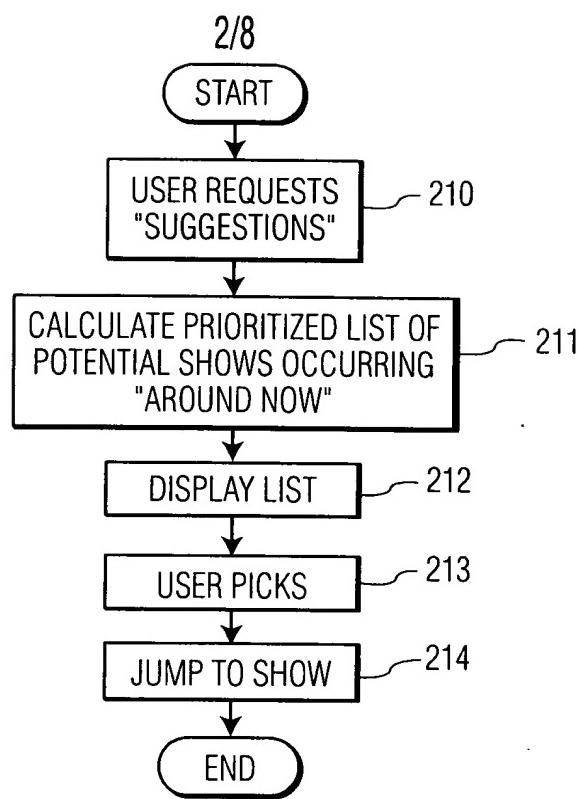


FIG. 2A

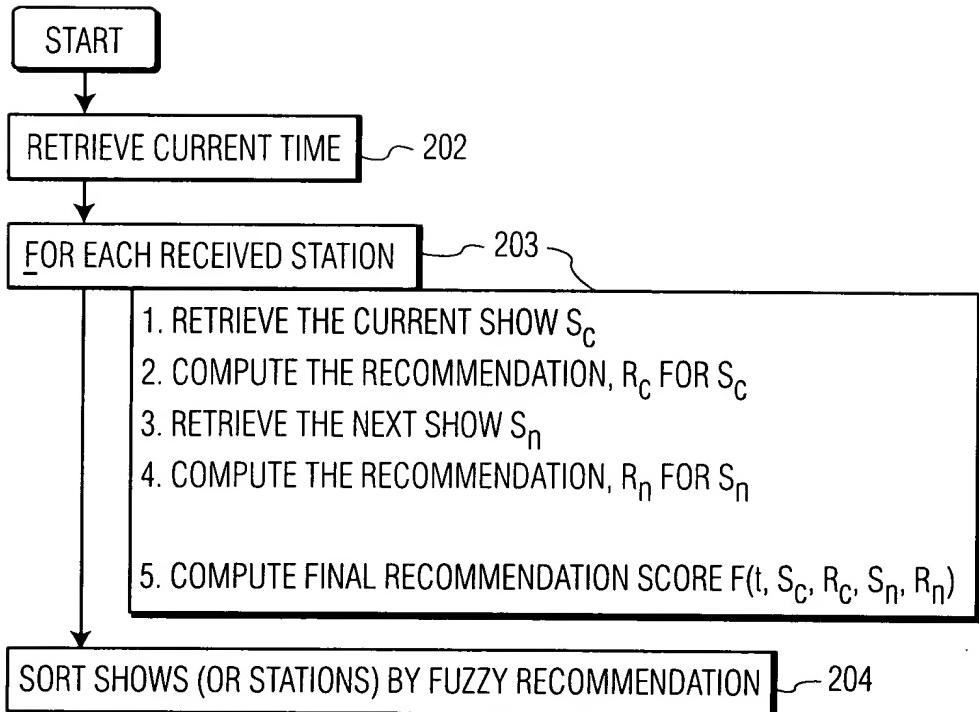
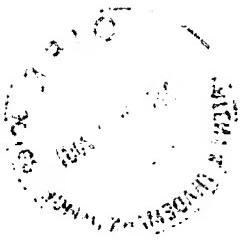


FIG. 2B

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1. PRESIDENTIAL DEBATE (STARTS IN 5 MINS), ABC-7
2. BASEBALL PLAYOFFS, YANKEES V. MARINERS (STARTED AT 8), NBC-4
3. X-FILES (STARTS IN 5 MINS), FX-63
4. COPS (STARTS IN 5 MINS), KTBC-64
5. DARK ANGEL (STARTS IN 5 MINS), FOX-5

FIG. 3A

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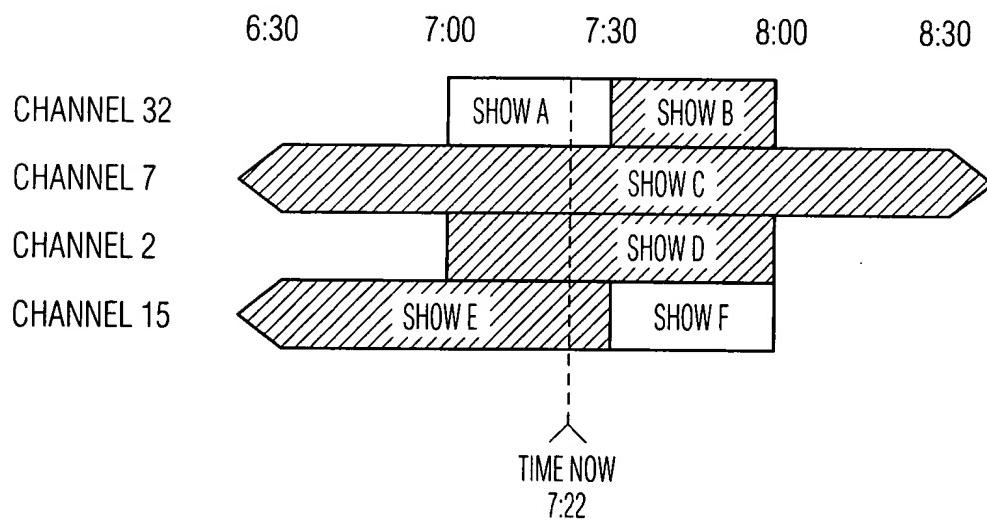


FIG. 3B

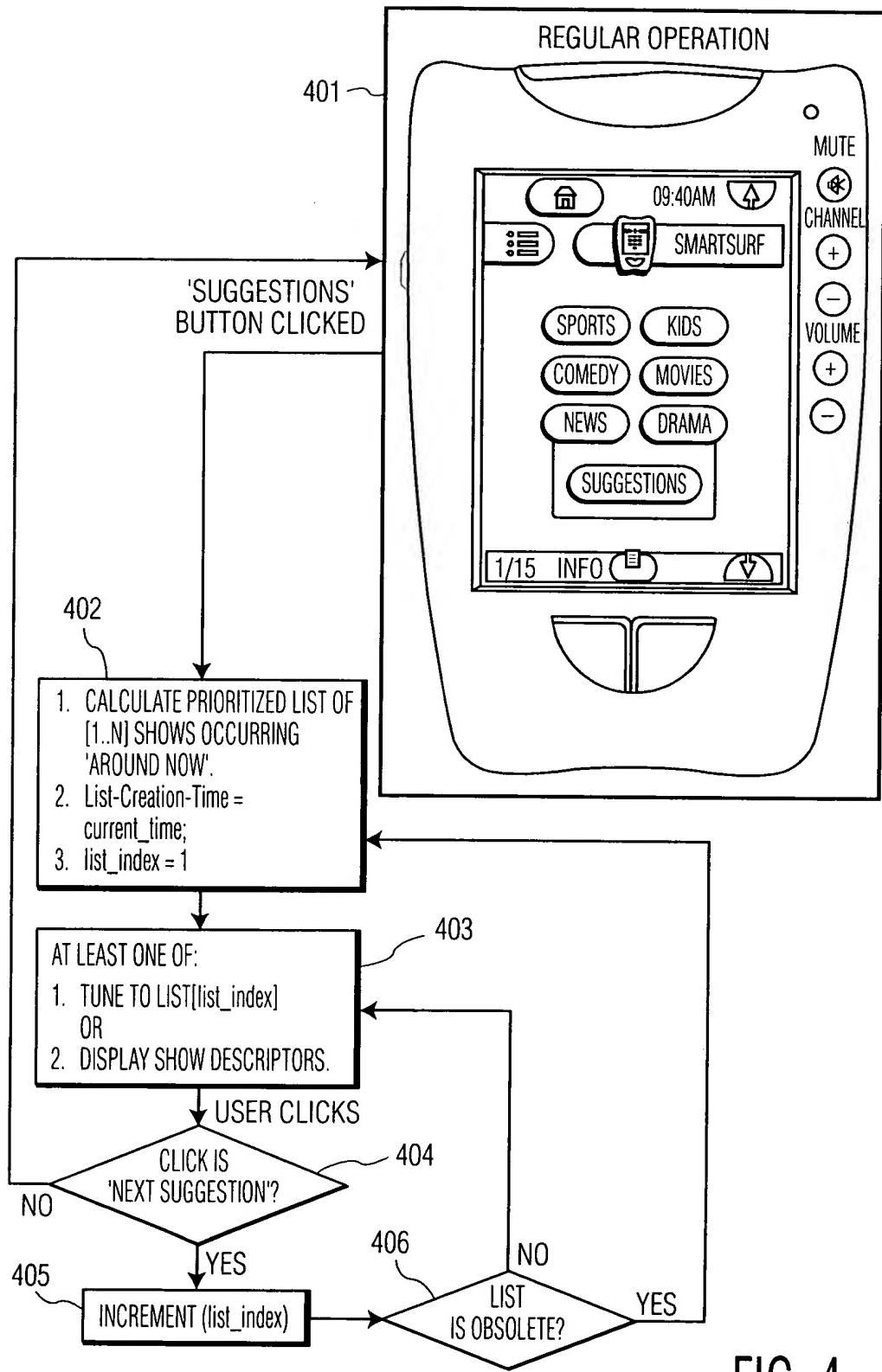


FIG. 4

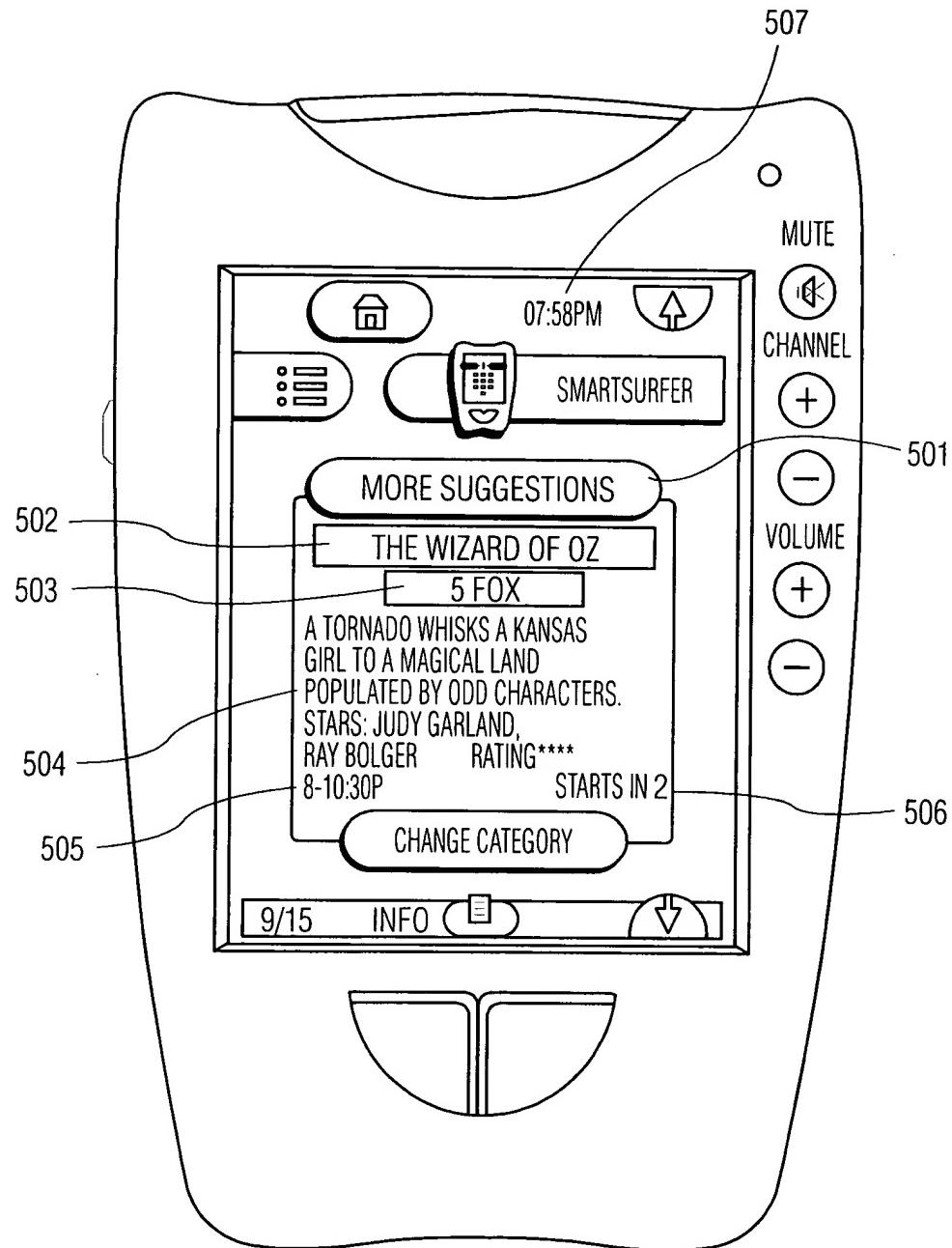


FIG. 5

$$w = f(\text{current_time}, \text{start_time}, \text{end_time}, \text{length}) \quad (1)$$

$$\text{final_recommendation} = w^* \text{nominal_recommendation}(\text{personal_profile}) \quad (2)$$

$$\text{nominal_recommendation}(\text{user_selected_category}) = \begin{cases} 1 & \text{if user_selected_category included in event's descriptive categories} \\ 0 & \text{otherwise} \end{cases} \quad (3)$$

$$w = f(\text{current_time}, \text{start_time}, \text{end_time}) = \begin{cases} 1 & \text{if } \begin{cases} (\text{current_time} > \text{start_time} - \text{waiting_threshold_time}) \\ \text{and} \\ (\text{current_time} < \text{end_time} - \text{undesirable_show_ending_threshold_time}) \end{cases} \\ 0 & \text{otherwise} \end{cases} \quad (4)$$

$$\begin{aligned} w &= f(\text{current_time}, \text{start_time}, \text{end_time}) \\ &= \begin{cases} 1 - \frac{\text{start_time} - \text{current_time}}{\text{start_time} - \text{waiting_threshold_time}} & \text{if } \left(\begin{array}{l} \text{current_time} > \text{waiting_threshold_time} \\ \wedge \text{current_time} \leq \text{start_time} \end{array} \right) \\ 1 - \frac{\text{current_time} - \text{start_time} \wedge \text{end_time} - \text{start_time}}{\text{end_time} - \text{start_time}} & \text{if } \left(\begin{array}{l} \text{current_time} > \text{start_time} \wedge \\ \text{current_time} < \text{end_time} \end{array} \right) \\ 0 & \text{if } \left(\begin{array}{l} \text{current_time} \leq \text{waiting_threshold_time} \\ \vee \text{current_time} \geq \text{end_time} \end{array} \right) \end{cases} \end{aligned} \quad (5)$$

$$\text{final_recommendation_function} \left(\begin{array}{c} \text{current_time}, \\ \text{start_time}, \\ \text{length}, \\ \text{nominal_recommendation} \end{array} \right) \quad (6)$$

FIG. 6

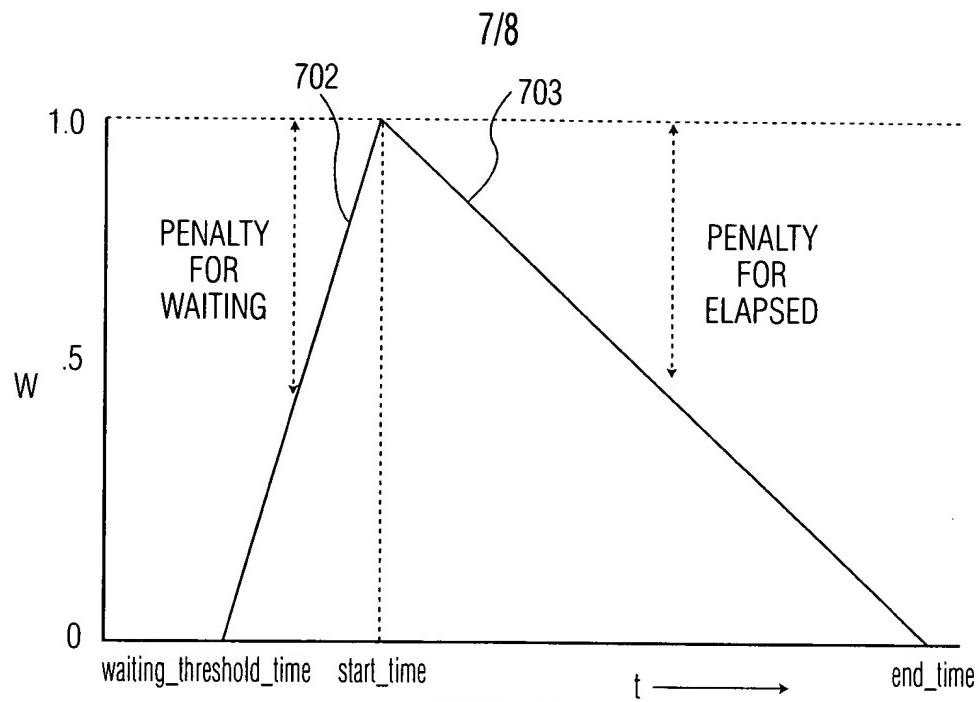


FIG. 7

FIG. 8A

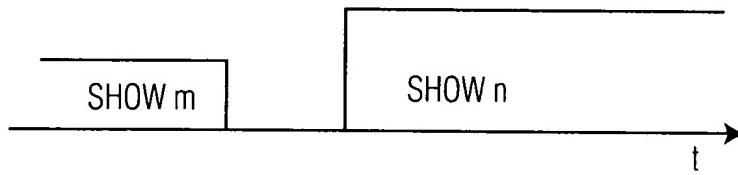


FIG. 8B

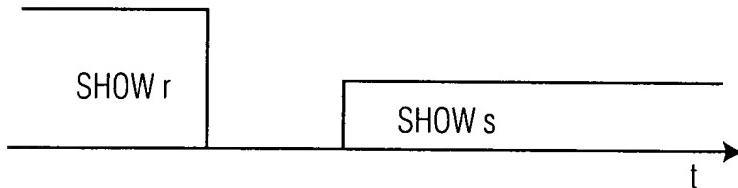


FIG. 9A

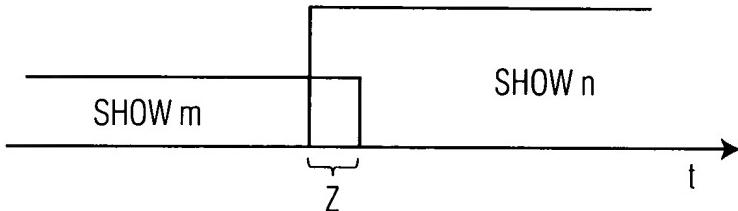
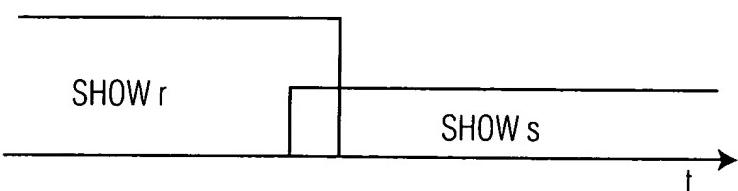


FIG. 9B



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SHOW n

FIG. 10A

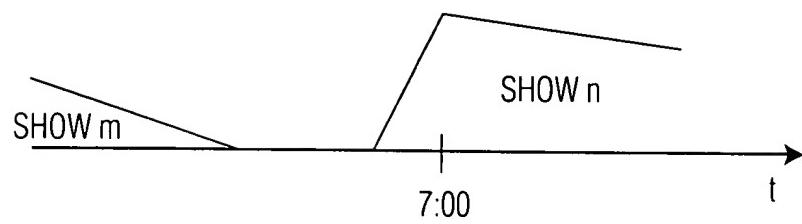


FIG. 10B

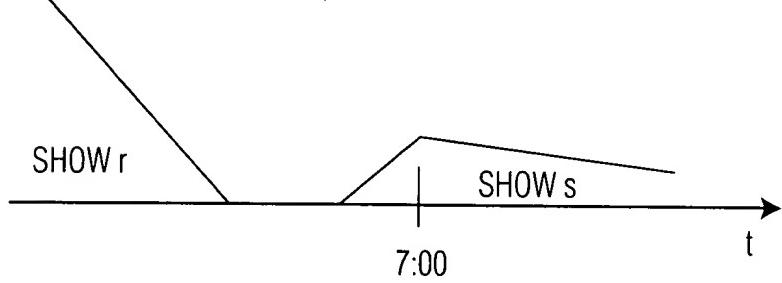


FIG. 11A

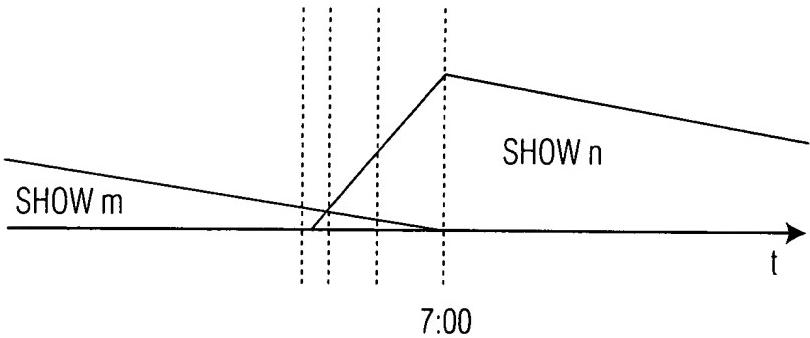
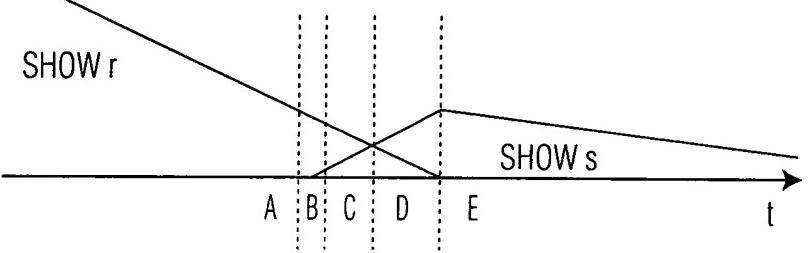


FIG. 11B



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